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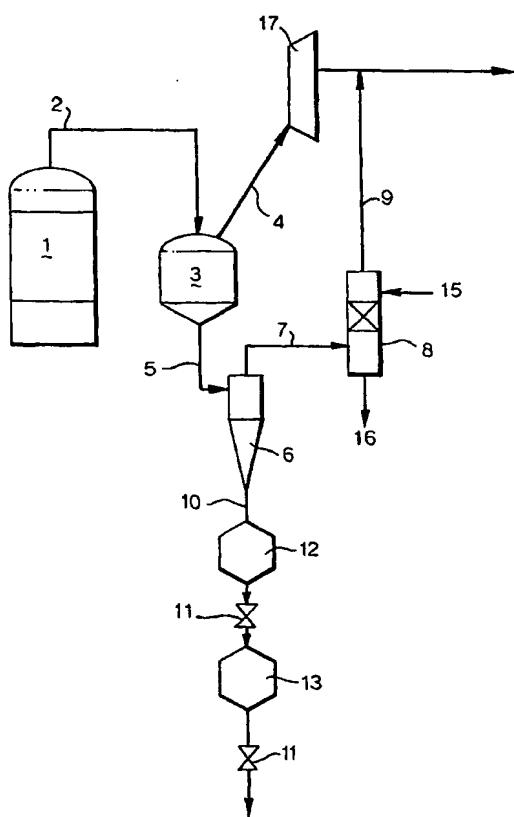
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(54) Title: PROCESS TO SEPARATE SOLIDS FROM A SOLIDS LADEN GASEOUS FLOW



(57) Abstract: Process to separate solids from a solids laden gaseous flow (2) containing more than 100 mg/Nm³ solids by performing the following steps: (a) separating solids from the gaseous flow using a gas-solids separator (3) resulting in a gaseous flow (4) containing less than 50 mg/Nm³ solids and an underflow (5) comprising the separated solids and part of the gaseous flow as fed to the gas-solids separator (3); (b) separating part of the solids from the underflow (5) in a cyclone (6) wherein solids (10) and a gaseous flow (7) containing still some solids are obtained; and (c) contacting the gaseous flow (7) obtained in step (b) with water (15) to separate the solids and obtain a gaseous flow (9) containing between 0 and 50 mg/Nm³ solids; and (d) combining the gaseous flows which are poor in solids as obtained in step (c) and as obtained in step (a).

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